


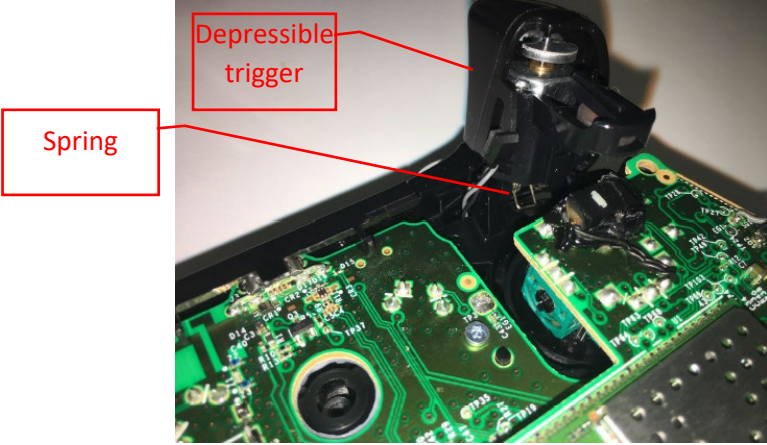

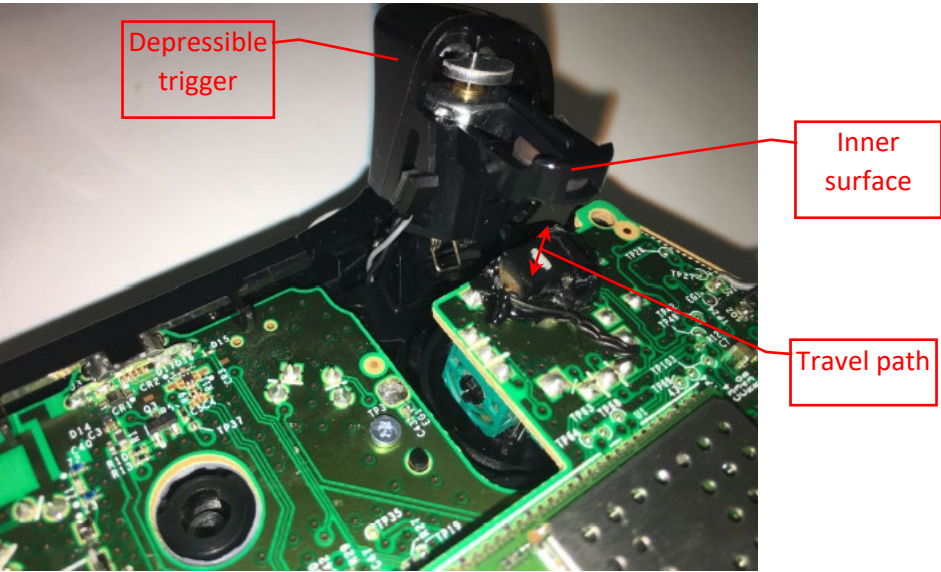


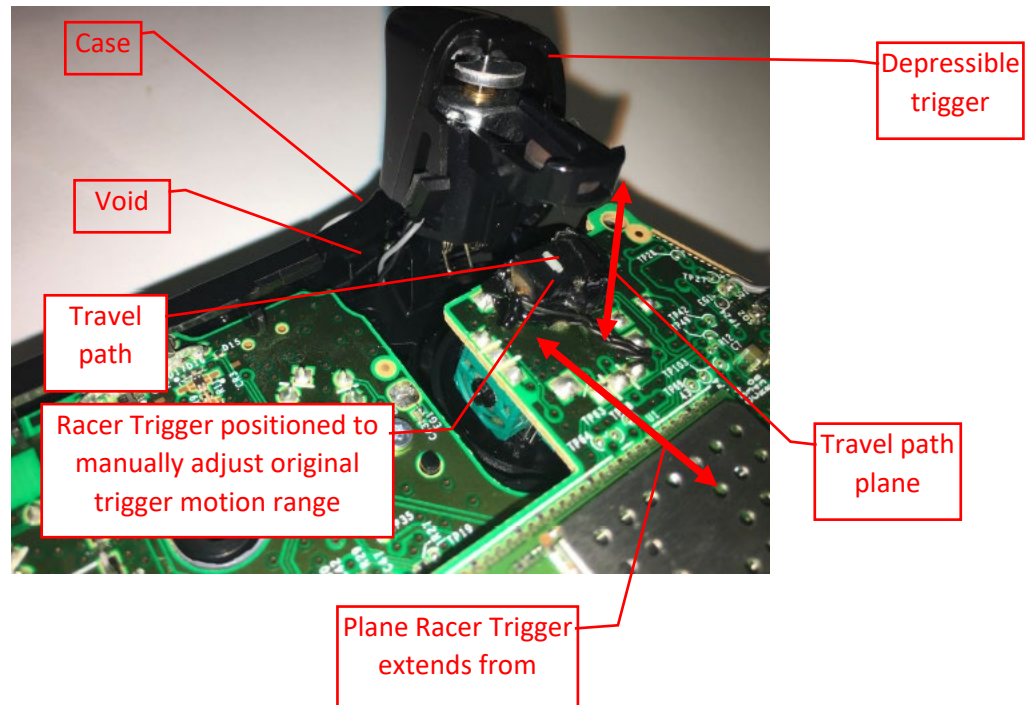
Exhibit M:
Exemplary Infringement of U.S.
Patent No. 11,185,766 by Xbox
One Controller with “Racer
Trigger”


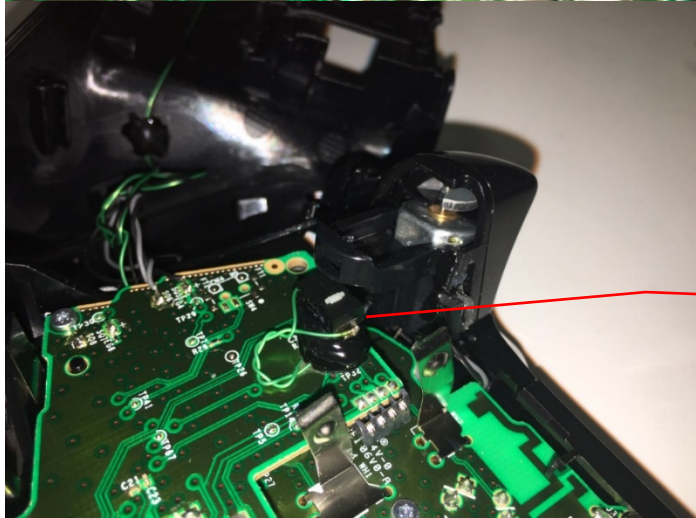
Claim 1 of US 11,185,766	
<p>An apparatus for providing a user input to a computer program for controlling the computer program, the apparatus comprising:</p>	<p>To the extent the preamble is limiting, the Battle Beaver products include this feature. The XBOX One with Racer Triggers is an apparatus that provides user input to a computer program for controlling the computer program.</p> <div data-bbox="949 470 1732 1032">  </div> <p>For example, the Racer Triggers provide an “input” for computer programs, such as “racing games” including “Rocket League.” https://battlebeavercustoms.com/tools/help-center#what-are-racer-triggers</p> <div data-bbox="709 1174 961 1195" data-label="Section-Header"> <p>What are Racer Triggers?</p> </div> <div data-bbox="709 1227 1831 1388" data-label="Text"> <p>Our Racer Triggers offer a variable input with an instant 100% click halfway through the trigger pull. We originally developed our Smart Triggers for First Person Shooter games, but as our popularity grew we soon began to redesign them for alternative genres.</p> <p>At the time, some of our technicians were really into Rocket League™, so they worked to redesign our triggers to strike the balance between speed and functionality for racing games, and allow for a wider range of uses in other genres as well.</p> </div>

<p>An outer case;</p>	<p>The XBOX One S controller includes an outer case.</p>  <p>The image shows a front view of a black Xbox One S controller. A red line points from a red-bordered box labeled "Outer case" to the top surface of the controller.</p>
<p>At least one depressible trigger pivotally mounted to the apparatus and biased to a resting position when the depressible trigger is not activated,</p>	<p>The controller includes at least one depressible trigger mounted to the apparatus, where the Trigger is biased to a resting position when not activated.</p>  <p>The image shows a back view of a black Xbox One S controller. Two red lines point from red-bordered boxes labeled "Depressible trigger" to the left and right triggers.</p>

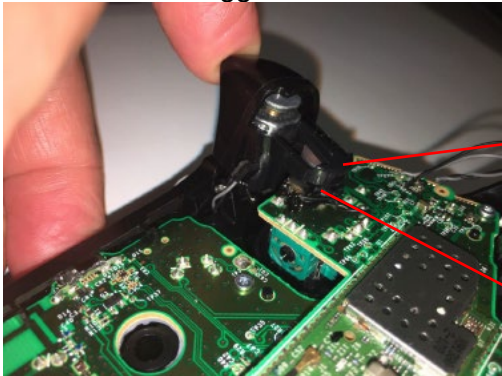
	
<p>the depressible trigger having an outer surface configured for engagement during operation and extending outside the outer case, and an inner surface opposite the outer surface, wherein the inner surface defines a travel path in response to an activation of the depressible trigger, and</p>	<p>The trigger includes an outer surface configured to engagement during operation and extending outside of the outer case.</p>  <p>The trigger includes an inner surface opposite the outer surface, the inner surface defines a travel path in response to activation of the trigger.</p>

	
<p>A mechanism extending from a plane different from the plane of the travel path into a void behind the inner surface of the depressible trigger, wherein the void is defined by the outer case, the mechanism configured to adjust a length of the travel path of the depressible trigger.</p>	<p>Triggers include a mechanism that adjusts a range of motion of the trigger. The Racer Trigger modifies the as-manufactured travel path of the trigger to reduce travel time to actuate the button, i.e., shortens or adjusts the range of motion of the trigger.</p> <p>https://battlebeavercustoms.com/tools/help-center#what-are-racer-triggers</p> <div data-bbox="693 992 1803 1224" style="background-color: black; color: white; padding: 10px;"> <p>What are Racer Triggers?</p> <p>Our Racer Triggers offer a variable input with an instant 100% click halfway through the trigger pull. We originally developed our Smart Triggers for First Person Shooter games, but as our popularity grew we soon began to redesign them for alternative genres.</p> <p>At the time, some of our technicians were really into Rocket League™, so they worked to redesign our triggers to strike the balance between speed and functionality for racing games, and allow for a wider range of uses in other genres as well.</p> </div>



Dependent Claims of Claim 1	
<p>2. The apparatus of claim 1, wherein the mechanism is manually adjustable by a user to adjust a range of motion of the depressible trigger from a first range of motion to a second range of motion.</p>	<p>The Racer Trigger mechanism is manually adjustable by changing the amount of adhesive in order to allow adjust the range of motion of the trigger, from a first range (e.g., Smart Trigger) to a second range (e.g., Racer Trigger).</p> <div data-bbox="690 354 1381 868"></div> <div data-bbox="1423 636 1843 789"><p>Racer trigger with relatively smaller piece of glue and a low stop.</p></div> <div data-bbox="690 868 1381 1383"></div> <div data-bbox="1402 1140 1822 1230"><p>Smart trigger with large piece of glue and a high stop.</p></div>

	<p>Options for trigger modifications include “Smart Trigger” and “Racer Trigger,” where the Racer Trigger allows 50% of the original trigger movement. https://battlebeavercustoms.com/tools/builder/63</p> <p>Triggers</p> <p>Left Trigger</p> <div> <div>No Trigger Adjustments</div> <div>Racer Triggers</div> <div>Smart Triggers</div> </div> <p>Smart Triggers: Permanently and Internally converts linear trigger into a button. Removes the progressive ramp up, and has the shortest and lightest trigger pull available. Works for most games.</p> <p>Right Trigger</p> <div> <div>No Trigger Adjustments</div> <div>Racer Triggers</div> <div>Smart Triggers</div> </div> <p>Racer Triggers: A unique trigger that is a hybrid between Stock and Smart triggers. The trigger will move freely from 0-50% then click a smart trigger switch to instantly go from 50-100%</p>
<p>7. The apparatus of claim 1, wherein the computer program is a game program.</p>	<p>The XBOX One controller provides inputs for game programs, such as “Rocket League”. https://battlebeavercustoms.com/tools/help-center#what-are-racer-triggers</p>
<p>9. The apparatus of claim 1, wherein the apparatus comprises a game controller configured to operate with a computing device.</p>	<p>The XBOX One controller provides inputs for game programs, such as “Rocket League”. https://battlebeavercustoms.com/tools/help-center#what-are-racer-triggers</p>

Dependent Claim of Dependent Claim 2	
<p>6. The apparatus of claim 2, wherein adjustment of the range of motion of the depressible trigger comprises adjustment of an ending position of the depressible trigger after depression by a user.</p>	<p>The Racer Trigger replaces the original manufactured end point and add a new ending position for the trigger.</p>  <p>Trigger abuts against Racer Trigger</p> <p>Racer Trigger defines new ending position for range of motion</p>
Dependent Claims of Dependent Claim 9	
<p>10. The apparatus of claim 9, wherein the computing device comprises a video gaming console.</p>	<p>The XBOX Controller interacts with an XBOX, which is a video gaming console.</p>

11. The apparatus of claim 9, further comprising:

A second depressible trigger pivotally mounted to the apparatus and biased to a second resting position when the second depressible trigger is not activated,

The XBOX One Controller includes two triggers and can include two Racer Triggers (left and right). <https://battlebeavercustoms.com/tools/builder/140>

Triggers

Left Trigger

No Trigger Adjustments Racer Triggers Smart Triggers

Racer Triggers: A unique trigger that is a hybrid between Stock and Smart triggers. The trigger will move freely from 0-50% then click a smart trigger switch to instantly go from 50-100%

Right Trigger

No Trigger Adjustments Racer Triggers Smart Triggers

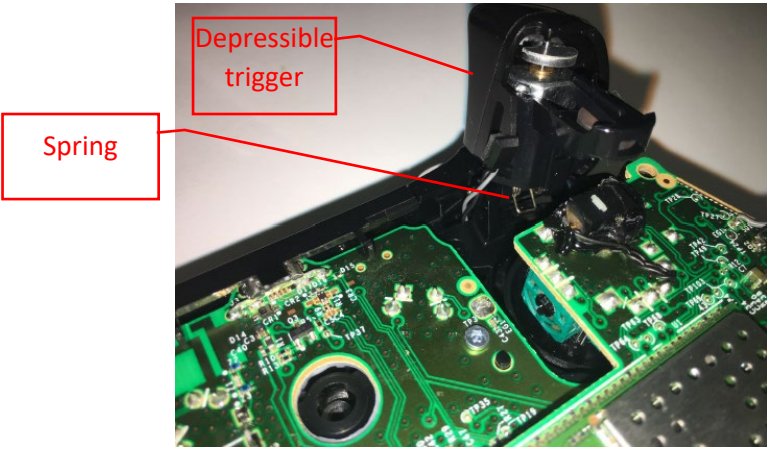
Racer Triggers: A unique trigger that is a hybrid between Stock and Smart triggers. The trigger will move freely from 0-50% then click a smart trigger switch to instantly go from 50-100%

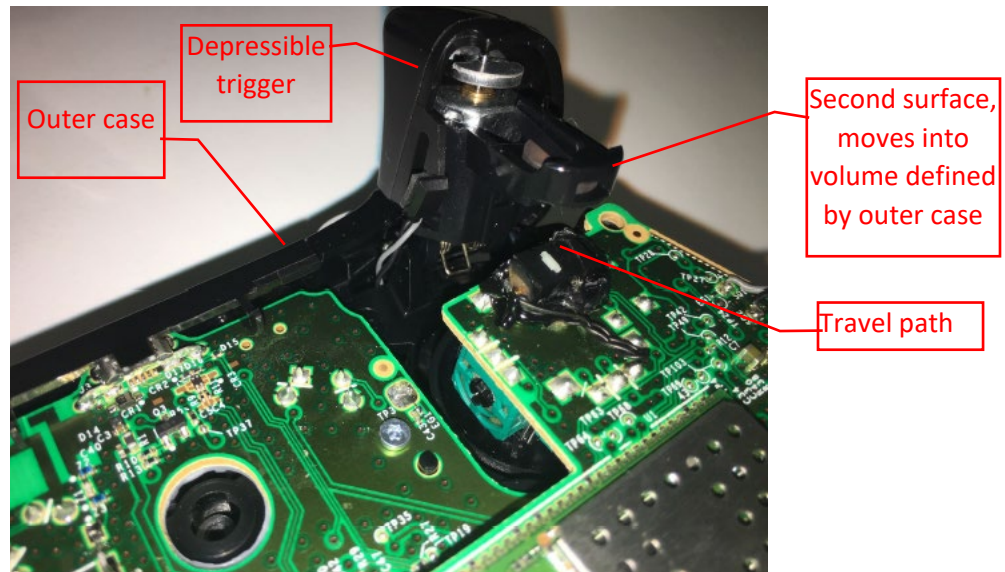
As with the first trigger, the second trigger is pivotally mounted and biased to a second resting position.

Depressible trigger



Depressible trigger

	
<p>the second depressible trigger having an outer surface configured for engagement during operation and extending outside the outer case, and an inner surface opposite the outer surface, wherein the inner surface defines a second travel path in response to an activation of the second depressible trigger, and</p>	<p>The second trigger is similar to the first trigger and includes an outer surface configured for engagement and extending outside the outer case and an inner surface opposite the outer surface. The inner surface defining a second travel path in response to an activation of the second trigger. The first surface, the second surface configured to move into a volume defined by the outer case when the trigger is depressed.</p>

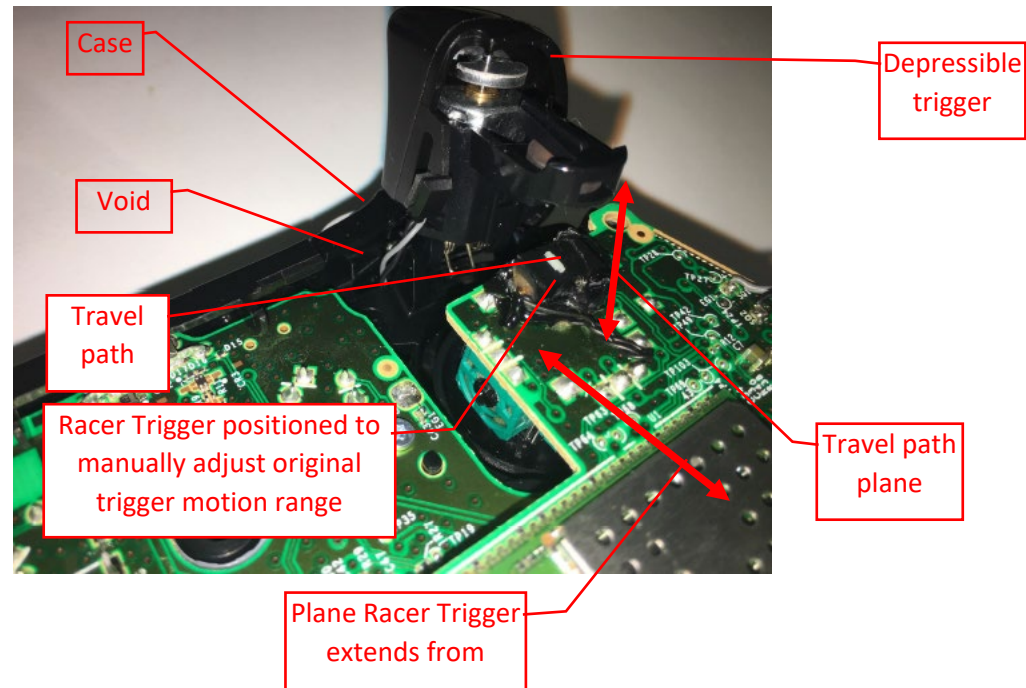


A second mechanism extending from a plane different from the plane of the second travel path into a second void behind the inner surface of the second depressible trigger, wherein the second void is defined by the outer case, the second mechanism configured to adjust a length of the second travel path of the second depressible trigger.

The Racer Trigger adjusts a length of a travel path for the second trigger. The Racer Trigger modifies the as-manufactured travel path of the trigger to reduce travel time to actuate the button, i.e., shortens or adjusts the range of motion of the trigger.

What are Racer Triggers?

Our **Racer Triggers** offer a variable input with an instant 100% click halfway through the trigger pull. We originally developed our Smart Triggers for First Person Shooter games, but as our popularity grew we soon began to redesign them for alternative genres. At the time, some of our technicians were really into Rocket League™, so they worked to redesign our triggers to strike the balance between speed and functionality for racing games, and allow for a wider range of uses in other genres as well.



Claim 12 of US 11,185,766	
<p>A trigger stop for use in an apparatus for supplying user inputs to a computer program for controlling the computer program, the trigger stop comprising:</p>	<p>To the extent the preamble is limiting, the Racer Trigger for the XBOX One controller is a trigger stop for use in an apparatus for supplying user inputs for controlling a computer program. The Racer Trigger is configured to adjust a range of motion of a depressible trigger.</p> <div data-bbox="951 480 1837 976" data-label="Image"> <p>The image shows a top-down view of a black Xbox One controller. A red line originates from a red-bordered box containing the word 'Apparatus' and points to the right trigger button. Below the main controller image is a small, separate image of the trigger mechanism itself, showing a blue and black component.</p> </div> <p>For example, the Racer Triggers provide an “input” for computer programs, such as “racing games” including “Rocket League.” https://battlebeavercustoms.com/tools/help-center#what-are-racer-triggers</p> <div data-bbox="693 1109 1841 1347" data-label="Text"> <p>What are Racer Triggers?</p> <p>Our Racer Triggers offer a variable input with an instant 100% click halfway through the trigger pull. We originally developed our Smart Triggers for First Person Shooter games, but as our popularity grew we soon began to redesign them for alternative genres.</p> <p>At the time, some of our technicians were really into Rocket League™, so they worked to redesign our triggers to strike the balance between speed and functionality for racing games, and allow for a wider range of uses in other genres as well.</p> </div>

A stop mechanism configured to adjust a range of motion of a depressible trigger of the apparatus,

Racer Triggers include a mechanism that provides for a manual adjustment of the depressible range of the trigger mechanism.

The Racer Trigger is “a hybrid between Stock and Smart triggers. The trigger will move freely from 0-50% then click a smart trigger switch to instantly go from 50-100%” In other words, the Racer Trigger manually adjusts the depressible range (linear travel) of the trigger to half that of a stock trigger.

<https://battlebeavercustoms.com/tools/builder/140>

Triggers

Left Trigger

No Trigger Adjustments Racer Triggers Smart Triggers

Racer Triggers: A unique trigger that is a hybrid between Stock and Smart triggers. The trigger will move freely from 0-50% then click a smart trigger switch to instantly go from 50-100%

Right Trigger

No Trigger Adjustments Racer Triggers Smart Triggers

Racer Triggers: A unique trigger that is a hybrid between Stock and Smart triggers. The trigger will move freely from 0-50% then click a smart trigger switch to instantly go from 50-100%



Trigger stop positioned in a pathway of the trigger to change the range of motion

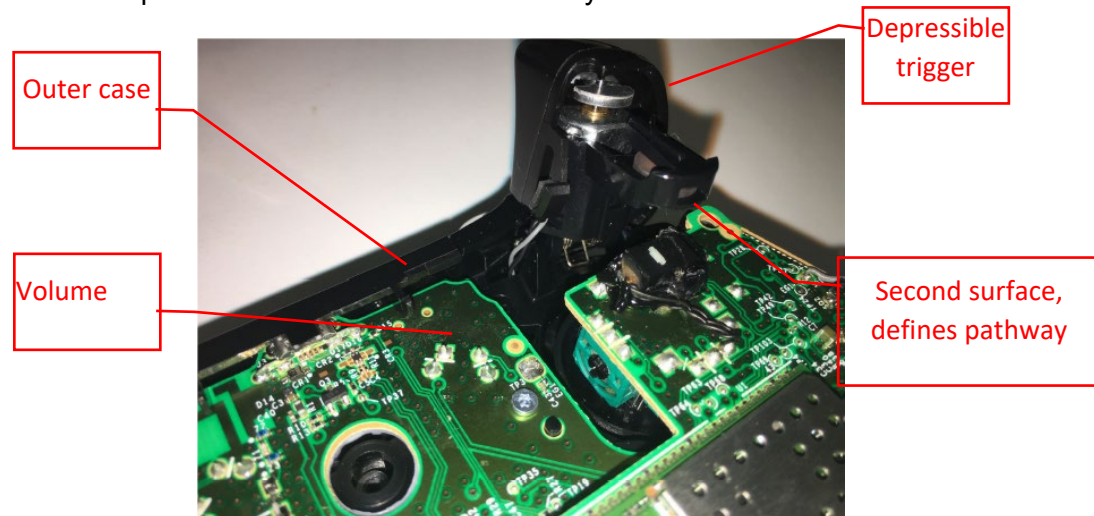
Wherein the depressible trigger comprises: A first surface located outside an outer case of the apparatus, the first surface configured to provide an engagement surface for the user to activate the depressible trigger, and


The trigger includes a first surface located outside of the case, the first surface configured to provide an engagement surface for the user to activate the trigger.

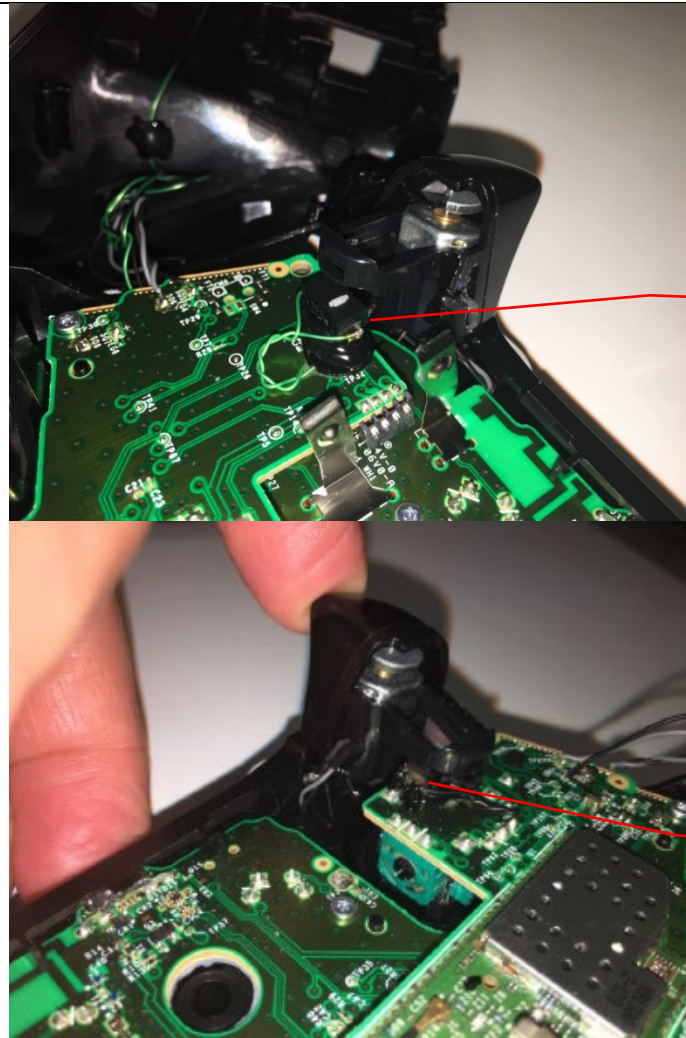


A second surface opposite the first surface, the second surface configured to define a pathway in a volume defined by the outer case when the trigger is activated, wherein the stop mechanism is disposed within the volume defined by the outer case of the apparatus, and

The trigger includes a second surface opposite the first surface, the second surface configured to define a pathway in a volume defined by the outer case, where the stop mechanism is disposed within the volume defined by the outer case.



<p>Wherein the stop mechanism extends into the pathway of the second surface along plane different from the plane of the pathway to adjust the range of motion of the depressible trigger.</p>	<p>The Racer Trigger extends into the pathway at a different location to shorten/adjust the range of motion of the trigger.</p> <div data-bbox="741 297 1873 740"><p>Outer case</p><p>Depressible trigger</p><p>Racer Trigger positioned in pathway to adjust motion</p><p>Second surface, defines pathway</p></div>
<p>Dependent Claims of Claim 12</p>	
<p>13. The trigger stop of claim 12, wherein a position of the trigger stop is manually adjustable by the trigger stop to define at least a first and second range of motion of the depressible trigger.</p>	<p>The Racer Trigger mechanism is manually adjustable by changing the amount of adhesive in order to allow adjust the range of motion of the trigger, from a first range (e.g., Smart Trigger) to a second range (e.g., Racer Trigger).</p>




Smart trigger with large piece of glue and a high stop.


Racer trigger with relatively smaller piece of glue and a low stop.

Options for trigger modifications include “Smart Trigger” and “Racer Trigger,” where the Racer Trigger allows 50% of the original trigger movement.

<https://battlebeavercustoms.com/tools/builder/63>

	<p>Triggers</p> <hr/> <p>Left Trigger</p> <div> No Trigger Adjustments Racer Triggers Smart Triggers </div> <p>Smart Triggers: Permanently and Internally converts linear trigger into a button. Removes the progressive ramp up, and has the shortest and lightest trigger pull available. Works for most games.</p> <p>Right Trigger</p> <div> No Trigger Adjustments Racer Triggers Smart Triggers </div> <p>Racer Triggers: A unique trigger that is a hybrid between Stock and Smart triggers. The trigger will move freely from 0-50% then click a smart trigger switch to instantly go from 50-100%</p>
<p>14. The trigger stop of claim 12, wherein the computer program is a game program.</p>	<p>The XBOX One controller provides inputs for game programs, such as “Rocket League”. https://battlebeavercustoms.com/tools/help-center#what-are-racer-triggers</p>
<p>15. The trigger stop of claim 12, wherein the apparatus comprises a game controller configured to operate with a computing device.</p>	<p>The XBOX One controller provides inputs for game programs, such as “Rocket League”. https://battlebeavercustoms.com/tools/help-center#what-are-racer-triggers</p>

Dependent Claim of Dependent Claim 15	
16. The trigger stop of claim 15, wherein the computing device comprises a game console.	The XBOX Controller interacts with an XBOX, which is a video gaming console.
Claim 17 of US 11,185,766	
A game controlled for controlling an electronic game, the game controller comprising:	<p>To the extent the preamble is limiting, the Battle Beaver products include this feature. The XBOX One S Pro is a game controller that controls an electronic game</p> <div data-bbox="951 634 1791 1130">  <p>A black Xbox One S Pro game controller is shown from a top-down perspective. It features two analog sticks, a directional pad, and four colored action buttons (Y, X, B, A). A red line originates from a red-bordered box labeled 'Game controller' and points to the right side of the controller.</p> </div> <p>For example, the Racer Triggers provide an “input” for computer programs, such as “racing games” including “Rocket League.” https://battlebeavercustoms.com/tools/help-center#what-are-racer-triggers</p>

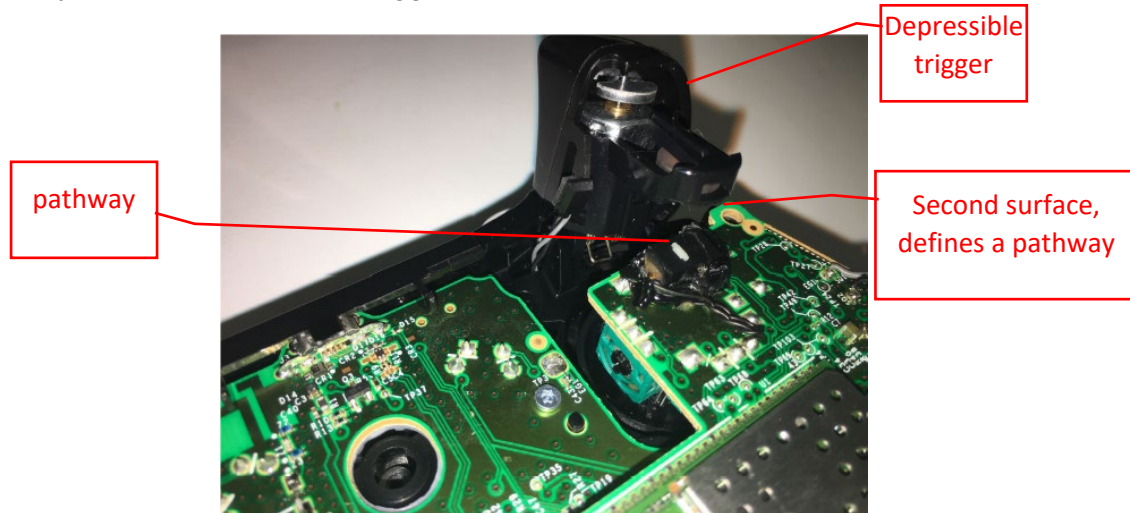
	<p>What are Racer Triggers?</p> <p>Our Racer Triggers offer a variable input with an instant 100% click halfway through the trigger pull. We originally developed our Smart Triggers for First Person Shooter games, but as our popularity grew we soon began to redesign them for alternative genres.</p> <p>At the time, some of our technicians were really into Rocket League™, so they worked to redesign our triggers to strike the balance between speed and functionality for racing games, and allow for a wider range of uses in other genres as well.</p>
A housing;	<p>The XBOX One S controller includes a housing</p>  <p>The image shows a black Xbox One S controller. A red line points from a red-bordered box containing the word 'housing' to the right grip area of the controller. Below the main image is a small icon of a controller with a blue light bar.</p>

A pivoting trigger at least partially disposed within the housing, the trigger comprising a first surface configured to be engaged by a user to depress the trigger and a second surface opposite the first surface, the second surface defining a pathway when the trigger is depressed;

The XBOX controller includes a pivoting trigger at least partially disposed within the housing and includes a first surface configured to be engaged by a user to depress the at least one trigger.



The trigger includes a second surface opposite the first surface. The second surface defining a pathway when the at least one trigger is depressed.



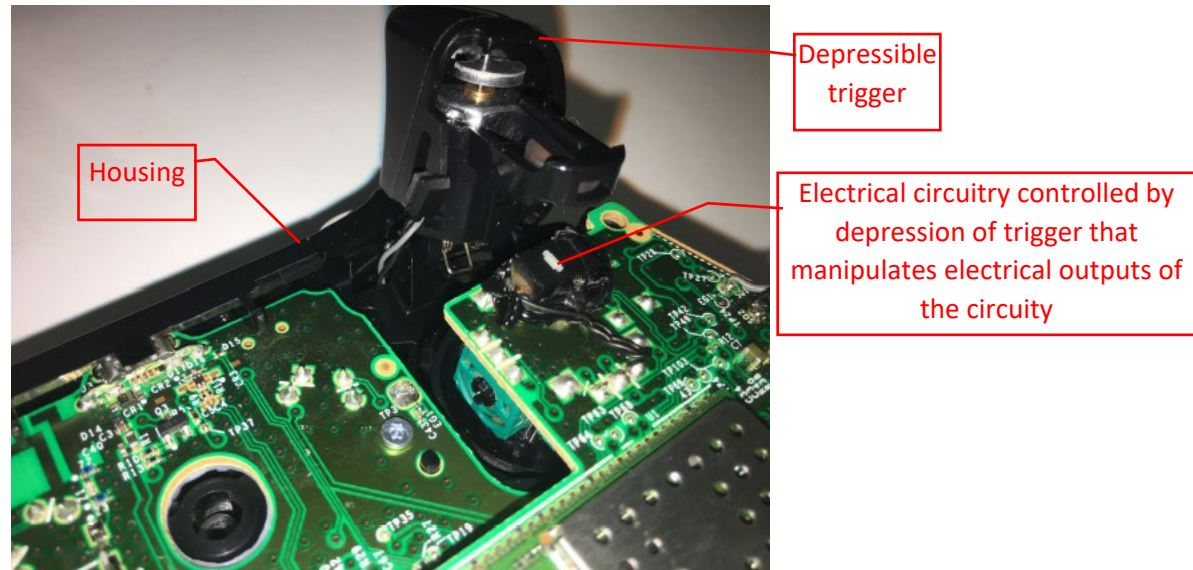
Electrical circuitry contained within the housing, wherein the trigger is in operational association with the electrical circuitry such that depression of the trigger causes electrical outputs of the electrical circuitry to control operation of the electronic game; and

The controller includes electrical circuitry contained within the housing. The trigger is in operational association with the electrical circuitry such that depression of the trigger causes electrical outputs to the electrical circuitry to control operation of the electronic game. The Racer Trigger includes a switch coupled to a PCB (e.g., electrical circuitry), where the switch is controlled by depression of the trigger and generates “inputs” to the PCB, which manipulates an electrical signal or output from the PCB to control the electronic games.

For example, the Racer Triggers provide an “input” for computer programs, such as “racing games” including “Rocket League.” <https://battlebeavercustoms.com/tools/help-center#what-are-racer-triggers>

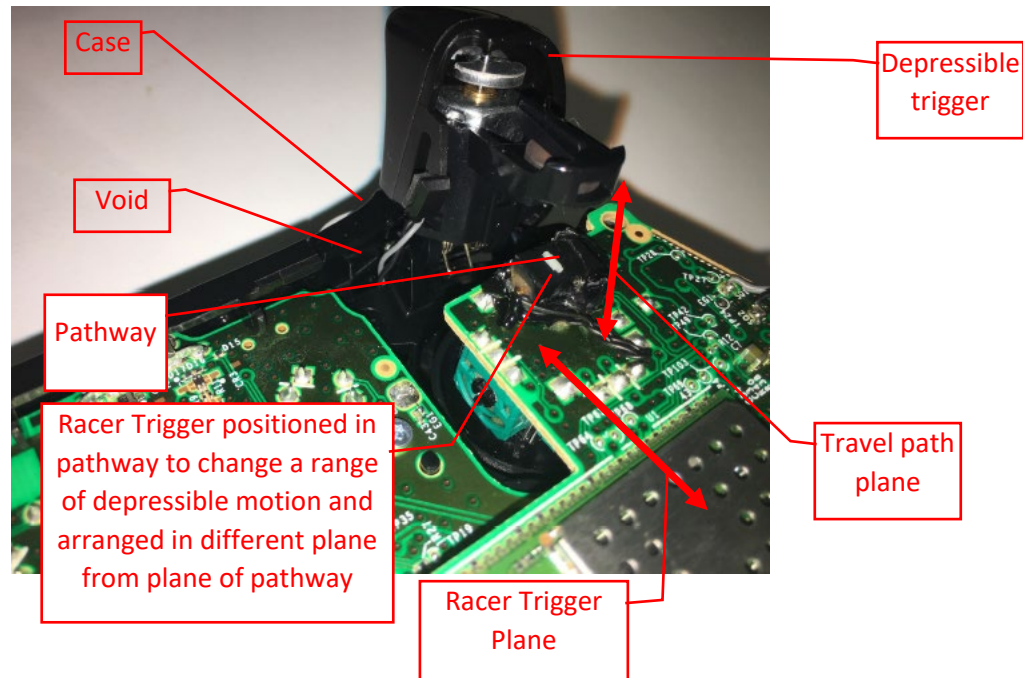
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A trigger stop disposed within the housing in the pathway of the second surface of the trigger, the trigger stop disposed along plane different from the plane of the pathway, the trigger stop configured to change a range of depressible motion of the trigger.

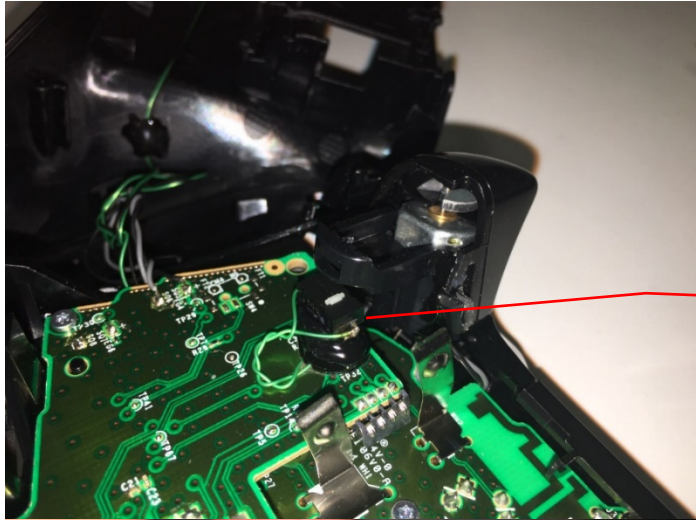

The Racer Trigger is a trigger stop disposed within the housing in the pathway of the trigger and is disposed along a plane different from the plane of the plane of the pathway. The Racer Trigger is configured to change a range of depressible motion of the trigger.



The Racer Trigger modifies the as-manufactured travel path of the trigger to reduce travel time to actuate the button, i.e., shortens or adjusts the range of motion of the trigger. The Racer Trigger is positioned within the outer case of the apparatus.

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Dependent Claim of Claim 17	
<p>18. The game controller of claim 17, wherein the trigger stop is manually adjustable by a user to adjust the depressible range of motion of the trigger from a first range of motion to a second range of motion.</p>	<p>The location of the stop is manually adjustable as Battle Beaver controls and can vary the height of the stop, such as by adding more or less adhesive, to change the allowable linear range of the trigger (e.g., Smart Trigger vs. Racer Trigger). .</p> <div data-bbox="690 386 1381 902"></div> <div data-bbox="1402 659 1818 751"><p>Smart trigger with large piece of glue and a high stop.</p></div> <div data-bbox="690 902 1381 1417"></div> <div data-bbox="1423 1185 1843 1338"><p>Racer trigger with relatively smaller piece of glue and a low stop.</p></div>

Options for trigger modifications include “Smart Trigger” and “Racer Trigger,” where the Racer Trigger allows 50% of the original trigger movement.

<https://battlebeavercustoms.com/tools/builder/63>

Triggers

Left Trigger

No Trigger Adjustments

Racer Triggers

Smart Triggers

Smart Triggers: Permanently and Internally converts linear trigger into a button. Removes the progressive ramp up, and has the shortest and lightest trigger pull available. Works for most games.

Right Trigger

No Trigger Adjustments

Racer Triggers

Smart Triggers

Racer Triggers: A unique trigger that is a hybrid between Stock and Smart triggers. The trigger will move freely from 0-50% then click a smart trigger switch to instantly go from 50-100%